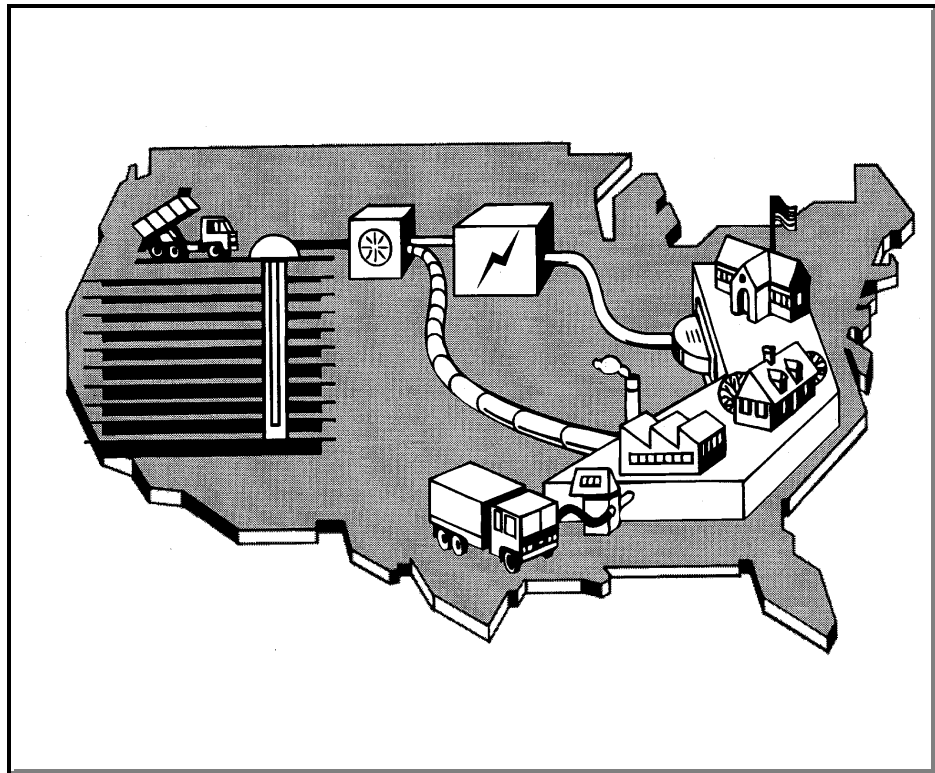




# Landfill Gas-to-Energy Project Opportunities

## Landfill Profiles for the State of Louisiana



## EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

## Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

### Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

## Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,<sup>1</sup> Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

### Landfill Categorizes

#### Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

#### Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.<sup>2</sup>

#### Shutdown:

- Landfill with shutdown LFGTE project.

#### Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

#### Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

## State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

<sup>1</sup> Current projects illustrate the wide range of successful project development options.

<sup>2</sup> By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



## Exhibit 1: Louisiana MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	1	3	25	1	4,537	0	95,273	0
Candidate	10	34	339	11	62,663	0	1,315,927	0
Other	22	32	317	10	58,711	0	1,232,933	0
Unknown WIP	1							
Total	34	68	681	22	125,911	0	2,644,133	0

## Exhibit 2: Potential Louisiana Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	19,732	16,195	10,890	125	104	0	13,662	11,213	7,540	124	65	0
Candidate	267,565	219,605	147,665	1,691	1,414	0	188,702	154,878	104,142	1,717	903	1
Other	252,569	207,297	139,389	1,597	1,334	0	176,801	145,110	97,574	1,609	846	1
Unknown WIP												
Total	539,865	443,097	297,944	3,413	2,852	0	379,164	311,201	209,256	3,450	1,814	2

### Exhibit 3: Index of Landfills in Louisiana

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Woolworth Road LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Candidate	Colonial LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	East Baton Rouge Parish North LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Greater New Orleans LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Jefferson Davis Parish SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Jefferson Parish LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Livingston Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Magnolia LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	N. Dugas LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Recovery I LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Terrebonne Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Acadia Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Area 90 LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Choctaw LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Coast Guard Road SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Crescent Acres LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	De Soto Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Devil's Swamp LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Other	Harold J. Landry LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lasalle Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lincoln Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Sabine Parish SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	St. James Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	St. Landry Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	St. Tammany Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tangipahoa Regional LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tensas Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Union Parish SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Vermilion Parish Solid Waste Plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Webster Parish LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	West Carroll SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	White Oak LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Woodland Hills LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Reliable Product Service LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Colonial LF		Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	BFI	Annual Acceptance Rate (tons):	80,526
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1995
Alternative Landfill Name:		Design Capacity (tons):	
City:	Sorrento	Acres Currently Landfilled (acres):	
County:	Agcengion	Average Depth (feet):	
State:	LA	Waste-in-Place (tons):	1,609,759
Year Open:	1973	1998 Waste-in-Place (tons):	2,202,827
Year Closed:	2007		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		0.98	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		31
Current Capacity:			
Planned Capacity:			
Utilities in County: Dixie Electric Membership Corp; Gulf States Utilities Company; Louisiana Power & Light Co; South			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,674		0
CO2 Equivalent of CH4 Reduction (tons/yr):	119,158		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	24,468	155	17,087 156
Fuel Oil:	20,082	129	14,024 82
Natural Gas:	13,503	0	9,430 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	Dennis Bollinger, Energy Manager	L.J. Bahlinger	
Mailing Address:	757 N. Eldridge P.O. Box 3151	PO Box 605	
Phone Number:	281-870-7801	504-675-8021	
Fax Number:	504-344-0925		

\* *Italicized indicates values estimated by EPA.*



East Baton Rouge Parish North LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	NE Baton Rouge Parish	Annual Acceptance Rate (tons):	351,755	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:	North East Baton Rouge Parish LF	Design Capacity (tons):		
City:	Baton Rouge	Acres Currently Landfilled (acres):		
County:	E. Baton Rouge	Average Depth (feet):		
State:	LA	Waste-in-Place (tons):	1,135,016	
Year Open:	1993	1998 Waste-in-Place (tons):	1,702,524	
Year Closed:	2002			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		0.85		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		27	
Current Capacity:				
Planned Capacity:				
Utilities in County: Dixie Electric Membership Corp; Gulf States Utilities Company; Southwestern Power Admin				
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,934		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	103,620		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	21,311	135	14,859	135
Fuel Oil:	17,491	113	12,196	71
Natural Gas:	11,761	0	8,201	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner		Landfill Operator		
Contact Name:	Fred Raidford	Fred Raidford		
Mailing Address:	P.O. Box 1471	P.O. Box 1471		
Phone Number:	504-389-3158	540389-3158		
Fax Number:				

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	USA Waste Services	Annual Acceptance Rate (tons):	88,615
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	West Avondale	Acres Currently Landfilled (acres):	320
County:	Jefferson	Average Depth (feet):	
State:	LA	Waste-in-Place (tons):	3,066,630
Year Open:	1969	1998 Waste-in-Place (tons):	3,285,669
Year Closed:	1999		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.26
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:	
Utilization System Status:	Planned
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	undecided
Capacity:	Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	39
Current Capacity:		
Planned Capacity:		

Utilities in County: Louisiana Power & Light Co; Southwestern Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	Potential	Current
Methane Reduction (tons/yr):	7,276	0
CO2 Equivalent of CH4 Reduction (tons/yr):	152,786	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	30,782 195	21,909 199
Fuel Oil:	25,264 163	17,982 105
Natural Gas:	16,988 0	12,091 0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Joe Segerto	Dan Vanderpool, Landfill Manager
Mailing Address:	718 St. George Avenue	5700 Highway 90 West
Phone Number:	504-861-8163	504-437-0266
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: LA

Page:

3





**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Jefferson Davis Parish	Annual Acceptance Rate (tons):	286,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Welsh	Acres Currently Landfilled (acres):	
County:	Jefferson Davis	Average Depth (feet):	
State:	LA	Waste-in-Place (tons):	1,757,313
Year Open:	1988	1998 Waste-in-Place (tons):	2,416,304
Year Closed:	2012		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.04
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:		Unknown	
Utilization System Type:		Unknown	
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:		Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>		3	
Current Capacity:			
Planned Capacity:			

Utilities in County: Beauregard Elec Coop Inc; Central Louisiana Elec Co Inc; Gulf States Utilities Company; Jefferson D

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	Potential	Current
Methane Reduction (tons/yr):	5,990	0
CO2 Equivalent of CH4 Reduction (tons/yr):	125,786	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	25,257 160	18,038 164
Fuel Oil:	20,730 133	14,804 86
Natural Gas:	13,939 0	9,955 0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ray Bebee	Charles Nowak
Mailing Address:	P.O. Box 1409	P.O. Box 1237
Phone Number:	318-363-4751	314-567-3330
Fax Number:	318-824-8908	

\* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: LA

Page:

4



Jefferson Parish LF		Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	Jefferson Parish	Annual Acceptance Rate (tons):	243,100
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Kelven LF	Design Capacity (tons):	
City:	Avondale	Acres Currently Landfilled (acres):	300
County:	Jefferson	Average Depth (feet):	40
State:	LA	Waste-in-Place (tons):	5,458,880
Year Open:	1982	1998 Waste-in-Place (tons):	6,628,640
Year Closed:	2006		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		2.11	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		Yes	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):	Entergy		
Natural Gas Provider(s):	Louisiana Gas Service Company		
Energy Purchaser(s):	Avondale Industries, Inc., Cytex Industries		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7		66
Current Capacity:			
Planned Capacity:	4.6		35
Utilities in County: Louisiana Power & Light Co; Southwestern Power Admin			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	12,219		0
CO2 Equivalent of CH4 Reduction (tons/yr):	256,599		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	52,092	329	36,796 335
Fuel Oil:	42,755	275	30,200 176
Natural Gas:	28,749	0	20,307 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	Rick Buller, Jr., P.E., Landfill Engineer	Amanda Sullivan	
Mailing Address:	1221 Elmwood Park Boulevard Suite 1006	5800 Hwy 90 West	
Phone Number:	504-736-6103	504-436-0152	
Fax Number:	504-364-3417		

\* Italicized indicates values estimated by EPA.



Livingston Parish LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	Livingston Parish Council	Annual Acceptance Rate (tons):	547,500	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:	Woodside LF	Design Capacity (tons):		
City:	Livingston	Acres Currently Landfilled (acres):		
County:	Livingston	Average Depth (feet):	120	
State:	LA	Waste-in-Place (tons):	1,126,745	
Year Open:	1987	1998 Waste-in-Place (tons):	1,352,094	
Year Closed:	2017			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		0.76		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		24	
Current Capacity:				
Planned Capacity:				
Utilities in County: Dixie Electric Membership Corp; Gulf States Utilities Company; Southwestern Power Admin				
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,416		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	92,738		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,943	120	13,299	121
Fuel Oil:	15,547	100	10,915	64
Natural Gas:	10,454	0	7,339	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner			Landfill Operator	
Contact Name:	Dewey Ratcliff, President	Dan Ball, Supervisor		
Mailing Address:	P.O. Box 427			
Phone Number:	504-686-7153			
Fax Number:	504-686-7079			

Magnolia LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	Waste Management, Inc.	Annual Acceptance Rate (tons):	429,000	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Monroe	Acres Currently Landfilled (acres):	202	
County:	Ouachita	Average Depth (feet):	83	
State:	LA	1995 Waste-in-Place (tons):	2,186,554	
Year Open:	1986	1998 Waste-in-Place (tons):	2,782,887	
Year Closed:	2026			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		1.13		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	4		35	
Current Capacity:				
Planned Capacity:				
Utilities in County: Claiborne Elec Coop Inc; Louisiana Power & Light Co; Southwestern Power Admin				
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	6,532		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	137,170		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	27,625	175	19,670	179
Fuel Oil:	22,673	146	16,144	94
Natural Gas:	15,246	0	10,856	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner		Landfill Operator		
Contact Name:	Russ Carpenter	Russ Carpenter		
Mailing Address:	P.O. Box 12560	P.O. Box 12560		
Phone Number:	920-343-0765	920-343-0765		
Fax Number:				

N. Dugas LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	City of Lafayette	Annual Acceptance Rate (tons):	160,448	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1986	
Alternative Landfill Name:	Lafayette Municipal LF	Design Capacity (tons):		
City:	Lafayette	Acres Currently Landfilled (acres):	60	
County:		Average Depth (feet):	60	
State:	LA	1994 Waste-in-Place (tons):	1,071,000	
Year Open:	1980	1998 Waste-in-Place (tons):	1,071,000	
Year Closed:	1988			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		0.69		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):	Lafayette City Utility Department			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		22	
Current Capacity:				
Planned Capacity:	1			
Utilities in County: Central Louisiana Elec Co Inc; Gulf States Utilities Company; Lafayette Util System; Southwest Loui				
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,000		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	84,008		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	17,364	110	12,047	110
Fuel Oil:	14,252	92	9,887	58
Natural Gas:	9,583	0	6,648	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner		Landfill Operator		
Contact Name:	Bette Vidrine, Environmental Quality Manager	Bette Vidrine, Environmental Quality Manager		
Mailing Address:	130 Shantel Road P.O. Box 4017-C	P.O. Box 4017-C		
Phone Number:	318-261-8529	318-261-8529		
Fax Number:				

\* *Italicized indicates values estimated by EPA.*



Recovery I LF		Landfill Category:	Candidate
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	Recovery I, Inc.	Annual Acceptance Rate (tons):	452,358
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1995
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	92
County:	Jefferson	Average Depth (feet):	
State:	LA	1995 Waste-in-Place (tons):	3,567,455
Year Open:	1976	1998 Waste-in-Place (tons):	3,567,455
Year Closed:	1995		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		1.33	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		42
Current Capacity:			
Planned Capacity:			
Utilities in County: Central Louisiana Elec Co Inc; Gulf States Utilities Company; Louisiana Power & Light Co; Rayne M			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,692		0
CO2 Equivalent of CH4 Reduction (tons/yr):	161,536		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	33,150	210	23,164 211
Fuel Oil:	27,208	175	19,012 111
Natural Gas:	18,295	0	12,784 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	A.S. Kleinpeter, General Manager	A.S. Kleinpeter, General Manager	
Mailing Address:	P.O. Box 29287	P.O. Box 29287	
Phone Number:	504-254-9693	504-254-9693	
Fax Number:			

Terrebonne Parish LF			Landfill Category: Candidate	
<b>A. GENERAL LANDFILL INFORMATION</b>				
Landfill Owner:	Terrebonne Parish Consolidated Govt.	Annual Acceptance Rate (tons):	64,902	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1995	
Alternative Landfill Name:	Ashland LF	Design Capacity (tons):		
City:	Houma	Acres Currently Landfilled (acres):		
County:	Terrebonne	Average Depth (feet):		
State:	LA	Waste-in-Place (tons):	963,058	
Year Open:	1981	1998 Waste-in-Place (tons):	1,023,249	
Year Closed:	1997			
<b>B. LANDFILL GAS COLLECTION</b>				
Estimated Methane Generation (mmscf/d):		0.68		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
<b>C. LANDFILL GAS UTILIZATION</b>				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		21	
Current Capacity:				
Planned Capacity:				
Utilities in County: Gulf States Utilities Company; Louisiana Power & Light Co; South Louisiana Elec Coop Assn; South				
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	3,930		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	82,526		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	16,575	105	11,834	108
Fuel Oil:	13,604	88	9,713	57
Natural Gas:	9,147	0	6,531	0
<b>E. CONTACT INFORMATION</b>				
Landfill Owner		Landfill Operator		
Contact Name:	Barry Bonvillain, President	Daniel Naquin, Superintendent		
Mailing Address:	P.O. Box 6097	P.O. Box 2768		
Phone Number:	504-873-6400	504-873-6739		
Fax Number:	504-873-6409	504-873-6409		

\* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: LA

Page:

10



Woolworth Road LF		Landfill Category:	Current
<b>A. GENERAL LANDFILL INFORMATION</b>			
Landfill Owner:	City of Shreveport	Annual Acceptance Rate (tons):	140,060
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1995
Alternative Landfill Name:		Design Capacity (tons):	
City:	Shreveport	Acres Currently Landfilled (acres):	
County:	Caddo	Average Depth (feet):	
State:	LA	Waste-in-Place (tons):	1,194,765
Year Open:	1987	1998 Waste-in-Place (tons):	1,433,718
Year Closed:	2022		
<b>B. LANDFILL GAS COLLECTION</b>			
Estimated Methane Generation (mmscf/d):		0.78	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
<b>C. LANDFILL GAS UTILIZATION</b>			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	High Btu		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		25
Current Capacity:			
Planned Capacity:			
Utilities in County: Central Louisiana Elec Co Inc; Gulf States Utilities Company; Panola-Harrison Elec Coop Inc; Rayne			
<b>D. ENVIRONMENTAL BENEFITS OF UTILIZATION</b>			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,537		0
CO2 Equivalent of CH4 Reduction (tons/yr):	95,273		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	19,732	125	13,662 124
Fuel Oil:	16,195	104	11,213 65
Natural Gas:	10,890	0	7,540 0
<b>E. CONTACT INFORMATION</b>			
Landfill Owner		Landfill Operator	
Contact Name:	Hazel Beard, Mayor	Fred Williams, Supervisor	
Mailing Address:	P.O. Box 31109		
Phone Number:	318-673-5050	318-673-5050	
Fax Number:	318-226-3757		

\* Italicized indicates values estimated by EPA.